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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

## **Listing of Claims**:

1. (Previously presented) A battery system, comprising:

a casing configured to receive one or more batteries and to be used with an electronic device; and

a battery comprising

a can having a longitudinal axis, a length that is parallel to the longitudinal axis, and a cross section relative to the longitudinal axis that is rectangular for substantially the entire length of the can, the can having a closed end and an open end,

a cathode in the can,

an anode in the can,

a separator between the cathode and the anode, and

a seal assembly attached to the open end of the can,

wherein the seal assembly comprises a seal and a current collector attached to the seal.

- 2. (Previously presented) The battery system of claim 1, wherein the can comprises an air access opening.
- 3. (Previously presented) The battery system of claim 1, wherein the cathode comprises manganese oxide.
- 4. (Previously presented) The battery system of claim 1, wherein the cathode has a rectangular cross section.
- 5. (Previously presented) The battery system of claim 1, wherein the anode comprises zinc.

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## 6. (Canceled)

7. (Previously presented) The battery system of claim 1, wherein the battery is a metal-air battery.

## 8. (Previously presented) A battery, comprising:

a can having a longitudinal axis, a length that is parallel to the longitudinal axis, and a cross section relative to the longitudinal axis that is rectangular for substantially the entire length of the can, the can having a closed end and an open end;

a cathode in the can;

a conductive hot melt material between the cathode and the can;

an anode in the can;

a separator between the cathode and the anode; and

a seal assembly attached to the open end of the can,

wherein the seal assembly comprises a seal and a current collector attached to the seal.

#### 9. (Previously presented) A battery, comprising:

a can having a longitudinal axis, a length that is parallel to the longitudinal axis, and a cross section relative to the longitudinal axis that is rectangular for substantially the entire length of the can, the can having a closed end and an open end;

a cathode in the can;

an anode in the can;

a separator between the cathode and the anode;

a seal assembly attached to the open end of the can; and

a non-conductive melt between the cathode and the seal assembly.

10. (Original) The battery of claim 1, further comprising a barrier layer between the cathode and the can.

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11. (Original) The battery of claim 10, wherein the barrier layer comprises polytetrafluoroethylene.

- 12. (Original) The battery of claim 1, wherein the cathode and the can define an air plenum therebetween.
  - 13. (Original) The battery of claim 1, wherein the can has a square cross section.
  - 14. (Canceled)
- 15. (Previously presented) A method of making a metal-air battery, the method comprising:

placing a cathode tube in a can having a longitudinal axis, a length that is parallel to the longitudinal axis, a cross section relative to the longitudinal axis that is rectangular for substantially the entire length of the can, and an air access opening, the can having a closed end and an open end;

placing an anode in the can; placing a seal assembly across the open end of the can; sealing a portion of the can over the seal assembly; and placing a conductive melt in the can.

- 16. (Canceled)
- 17. (Canceled)
- 18. (Previously presented) A method of making a metal-air battery, the method comprising:

placing a cathode tube in a can having a longitudinal axis, a length that is parallel to the longitudinal axis, a cross section relative to the longitudinal axis that is rectangular for

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substantially the entire length of the can, and an air access opening, the can having a closed end and an open end;

placing an anode in the can;
placing a seal assembly across the open end of the can;
sealing a portion of the can over the seal assembly; and
placing a non-conductive melt between the cathode and the seal assembly.

- 19. (Canceled)
- 20. (Canceled)
- 21. (Previously presented) A battery, comprising:

a can having a triangular cross section, the can having a closed end and an open end;

a cathode in the can;

an anode in the can;

a separator between the cathode and the anode; and

a seal assembly attached to the open end of the can,

wherein the seal assembly comprises a seal and a current collector attached to the seal.

- 22. (Original) The battery of claim 21, wherein the can comprises an air access opening.
- 23. (Original) The battery of claim 21, wherein the cathode comprises manganese oxide.
- 24. (Original) The battery of claim 21, wherein the cathode has a triangular cross section.
  - 25. (Original) The battery of claim 21, wherein the battery is a metal-air battery.

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26. (Currently amended) A method of making a metal-air battery, the method comprising:

placing a cathode tube in a can having a triangular cross section and an air access opening;

placing an anode in the can;

placing a seal assembly <u>comprising a seal and a current collector attached to the seal</u> in the can; and

sealing a portion of the can over the seal assembly.

27. (Previously presented) A battery system, comprising:

a casing configured to receive one or more batteries and to be used with an electronic device; and

a battery comprising

a can having a longitudinal axis, a length that is parallel to the longitudinal axis, and a cross section relative to the longitudinal axis that is polygonal for substantially the entire length of the can, the can having a closed end and an open end,

a cathode in the can, the cathode defining a cavity, an anode in the cavity, and

a separator between the cathode and the anode.

- 28. (Previously presented) The battery system of claim 27, wherein the can has a rectangular cross section.
- 29. (Previously presented) The battery system of claim 27, wherein the can has a square cross section.
  - 30. (Previously presented) A battery, comprising:

a can having a longitudinal axis, a length that is parallel to the longitudinal axis, and a cross section relative to the longitudinal axis that is triangular for substantially the entire length of the can, the can having a closed end and an open end,

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a cathode in the can, the cathode defining a cavity, an anode in the cavity,

a seal assembly attached to the open end of the can, and

a separator between the cathode and the anode-

- 31. (Previously presented) The battery system of claim 27, wherein the can has a wall between the closed end and the open end, the wall having an air access opening.
- 32. (Previously presented) The battery system of claim 27, wherein the can is electrically conductive.
  - 33. (Previously presented) A battery system, comprising:

a casing configured to receive one or more batteries and to be used with an electronic device; and

a battery comprising

a can having a longitudinal axis, a length that is parallel to the longitudinal axis, and a cross section relative to the longitudinal axis that is polygonal for substantially the entire length of the can, the can having a closed end, an open end, and a wall extending between the ends, the wall having an air access opening,

a cathode in the can,

an anode in the can, and

a separator between the cathode and the anode.

- 34. (Previously presented) The battery system of claim 33, wherein the can has a rectangular cross section.
- 35. (Previously presented) The battery system of claim 33, wherein the can has a square cross section.
  - 36. (Currently amended) A battery, comprising:

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a can having a longitudinal axis, a length that is parallel to the longitudinal axis, and a cross section relative to the longitudinal axis that is triangular for substantially the entire length of the can, the can having a closed end, an open end, and a wall extending between the ends, the wall having an air access opening,

a cathode in the can,

an anode in the can, and

a separator between the cathode and the anode, and

a seal assembly attached to the open end of the can, the seal assembly comprising a seal and a current collector attached to the seal.

# 37. (Previously presented) A battery system, comprising:

a casing configured to receive one or more batteries and to be used with an electronic device; and

## a battery comprising

a can having a longitudinal axis, a length that is parallel to the longitudinal axis, and a cross section relative to the longitudinal axis that is polygonal for substantially the entire length of the can, the can having a closed end, an open end, and two walls extending between the ends, the distance between the ends being greater than the distance between the walls,

a cathode in the can, and a separator between the cathode and the anode.

- 38. (Previously presented) The battery system of claim 37, wherein at least one wall has an air access opening.
- 39. (Previously presented) The battery system of claim 37, wherein the cathode defines a cavity, and the anode is in the cavity.

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40. (Previously presented) The battery system of claim 37, wherein the can is electrically conductive.

- 41. (Previously presented) The battery system of claim 37, wherein the can has a rectangular cross section.
- 42. (Previously presented) The battery system of claim 37, wherein the can has a square cross section.
  - 43. (Currently amended) A battery, comprising:

a can having a longitudinal axis, a length that is parallel to the longitudinal axis, and a cross section relative to the longitudinal axis that is triangular for substantially the entire length of the can, the can having a closed end, an open end, and two walls extending between the ends, the distance between the ends being greater than the distance between the walls;

a cathode in the can;

an anode in the can; and

a separator between the cathode and the anode, and

a seal assembly attached to the open end of the can, the seal assembly comprising a seal and a current collector attached to the seal.

44. (Cancelled)